20020820 9th 1600L

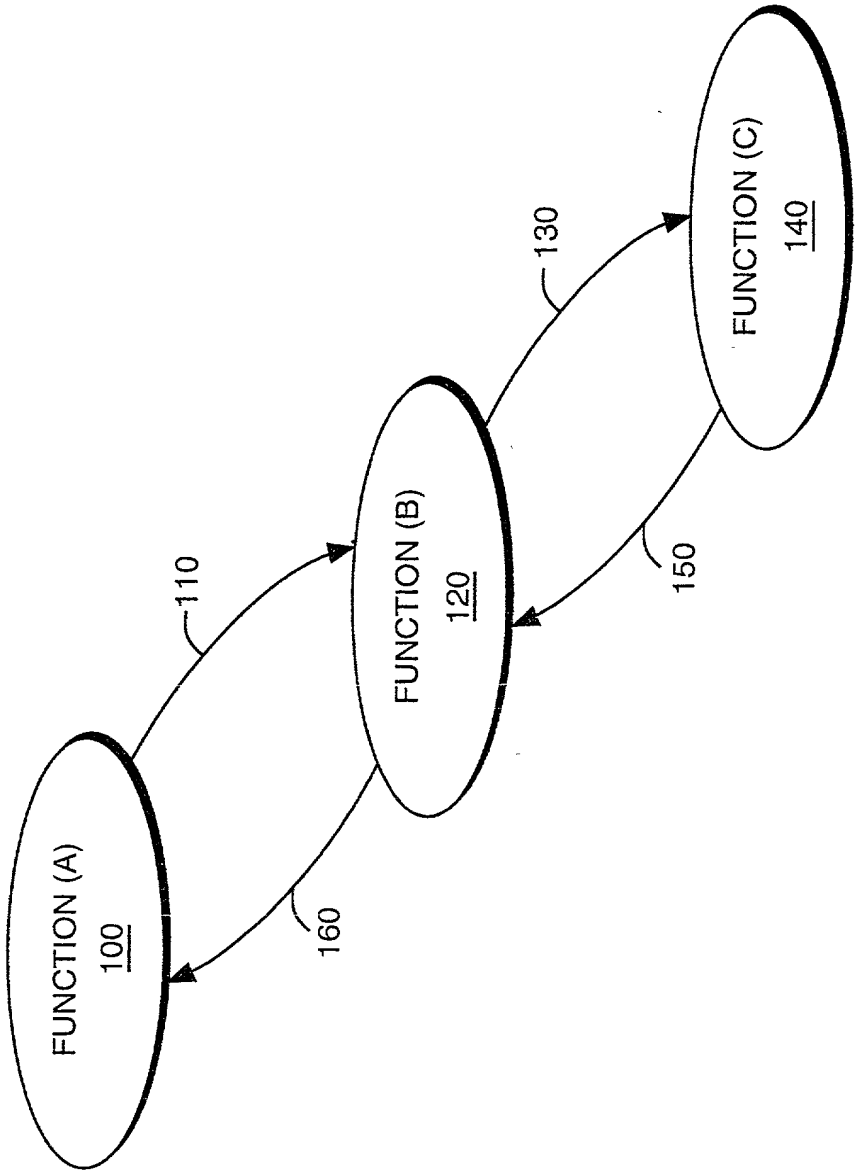


FIG. 1
(PRIOR ART)

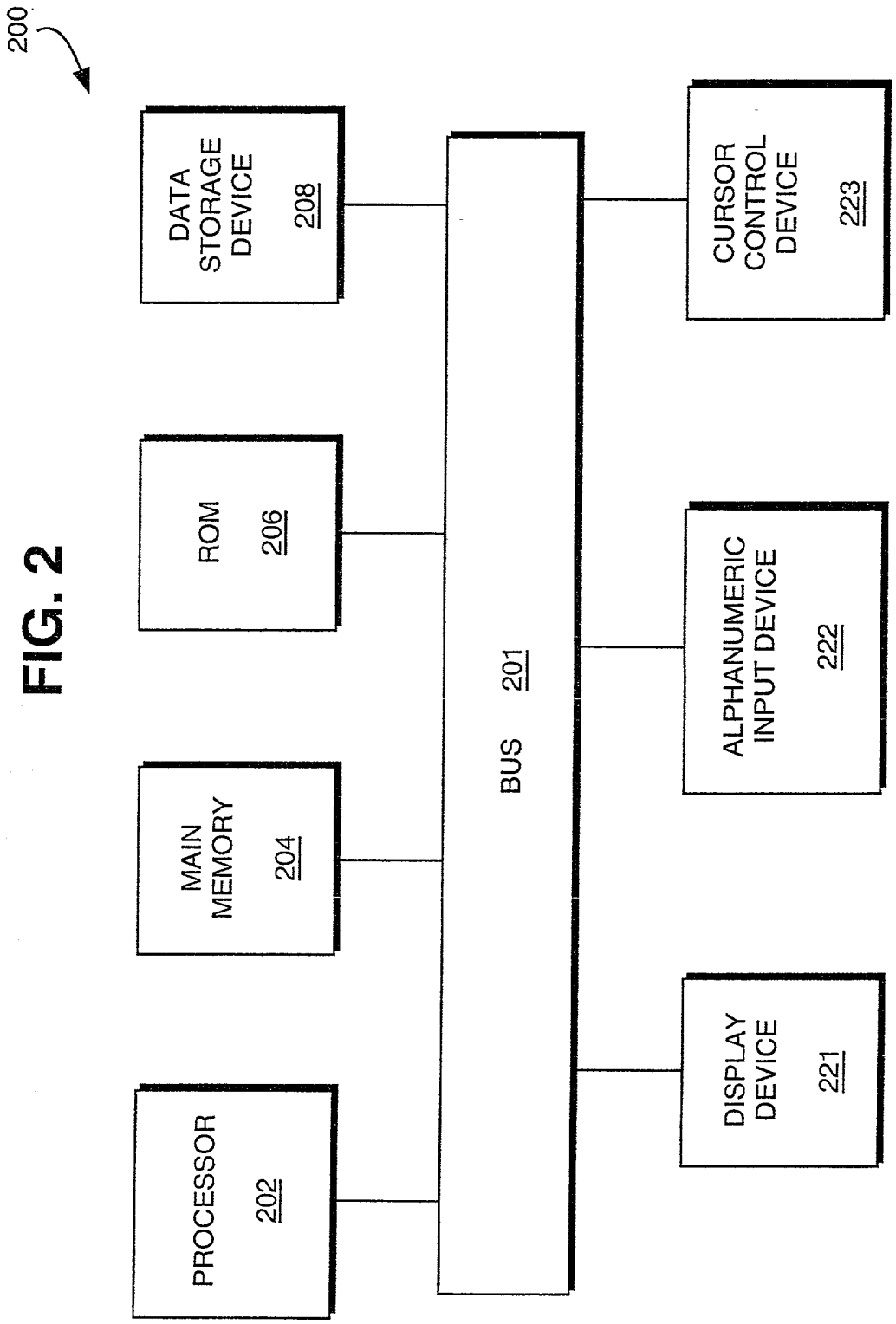

200
DATA STORAGE DEVICE 208
ROM 206
MAIN MEMORY 204
PROCESSOR 202
BUS 201
CURSOR CONTROL DEVICE 223
ALPHANUMERIC INPUT DEVICE 222
DISPLAY DEVICE 221

FIG. 2

FIG. 3

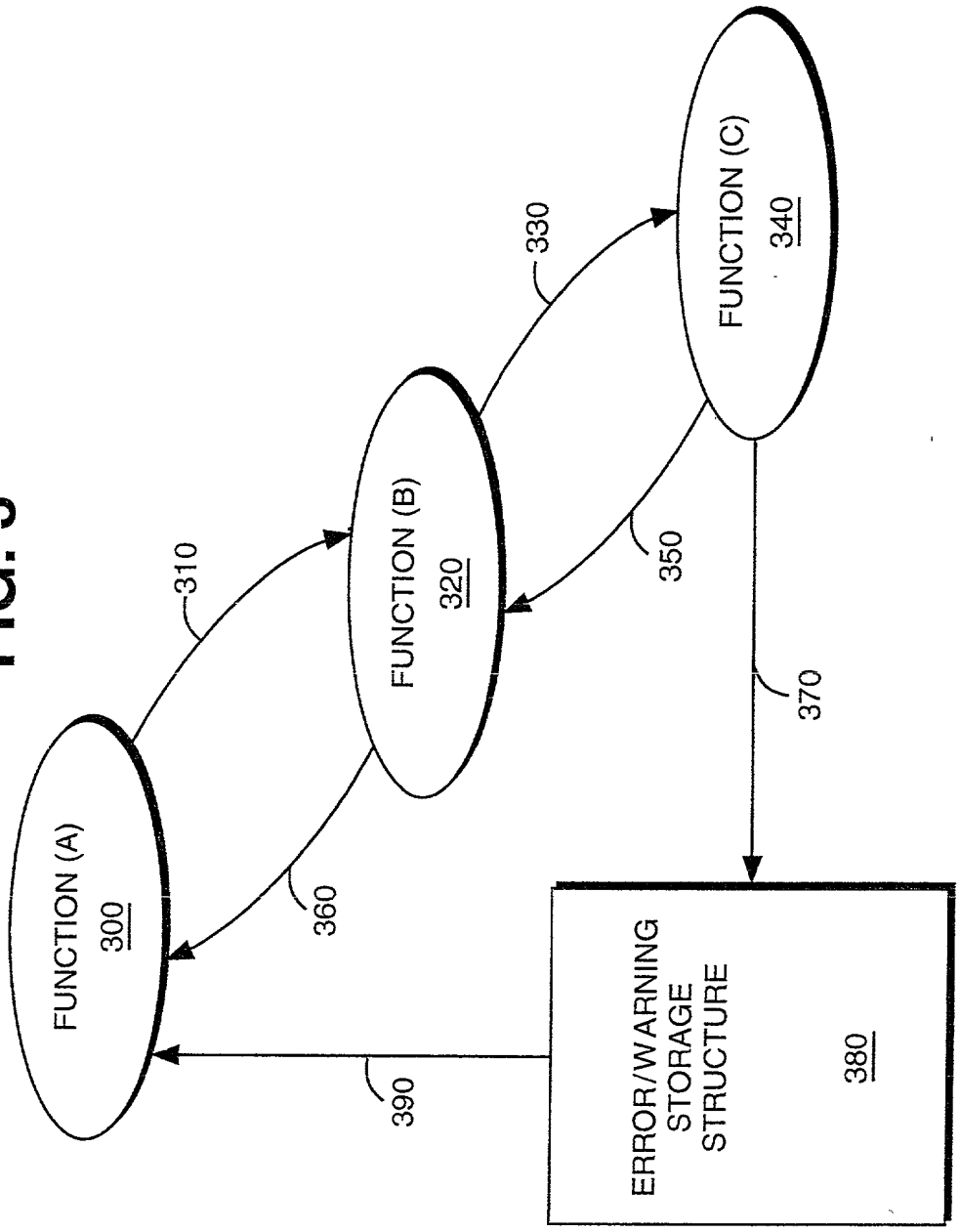

FUNCTION (A)
300
FUNCTION (B)
320
FUNCTION (C)
340
310
330
350
360
370
390
ERROR/WARNING
STORAGE
STRUCTURE
380

FIG. 4A

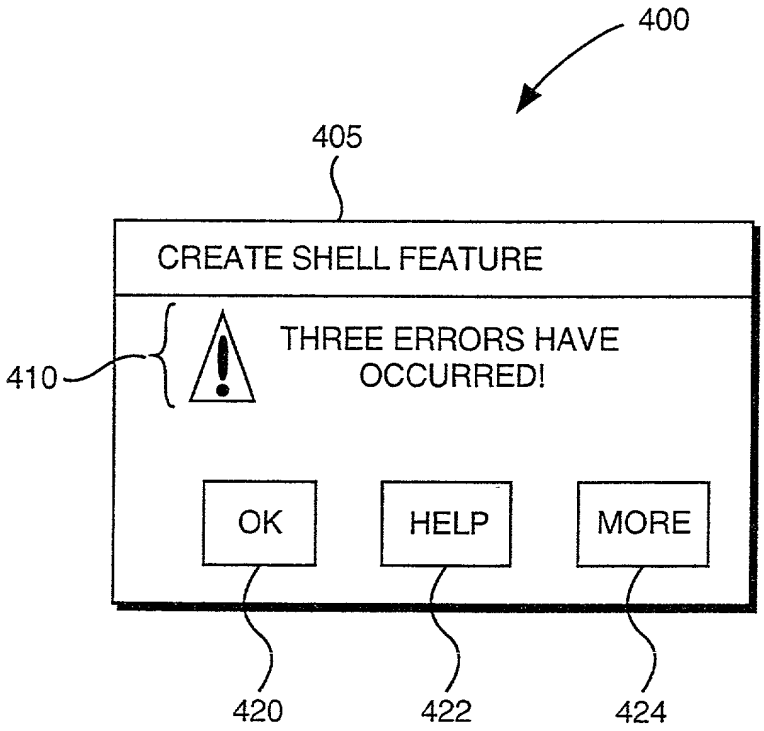

400
405
CREATE SHELL FEATURE
410
THREE ERRORS HAVE OCCURRED!
OK
HELP
MORE
420
422
424

FIG. 4B

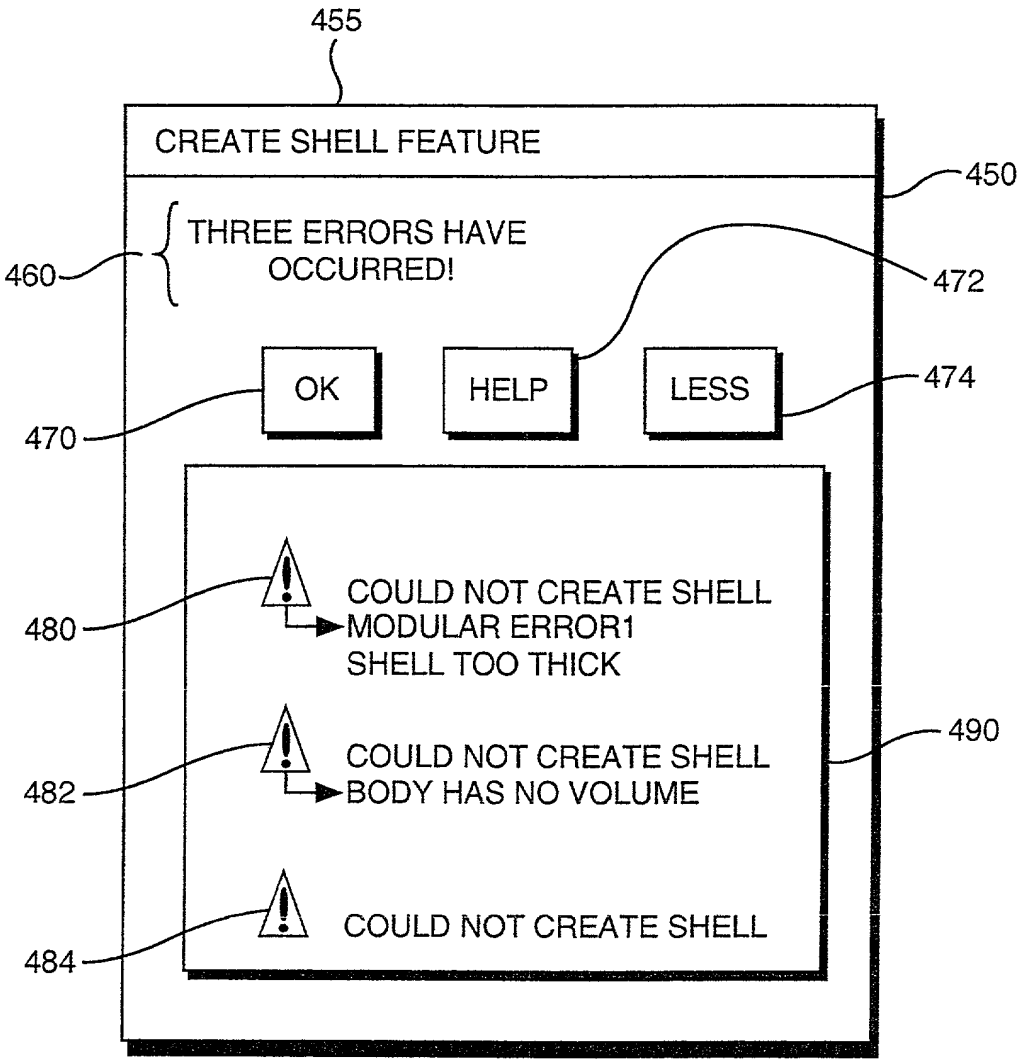

455
CREATE SHELL FEATURE
450
THREE ERRORS HAVE OCCURRED!
460
472
OK
HELP
LESS
474
470
COULD NOT CREATE SHELL
MODULAR ERROR1
SHELL TOO THICK
480
COULD NOT CREATE SHELL
BODY HAS NO VOLUME
490
482
COULD NOT CREATE SHELL
484

FIG. 5A

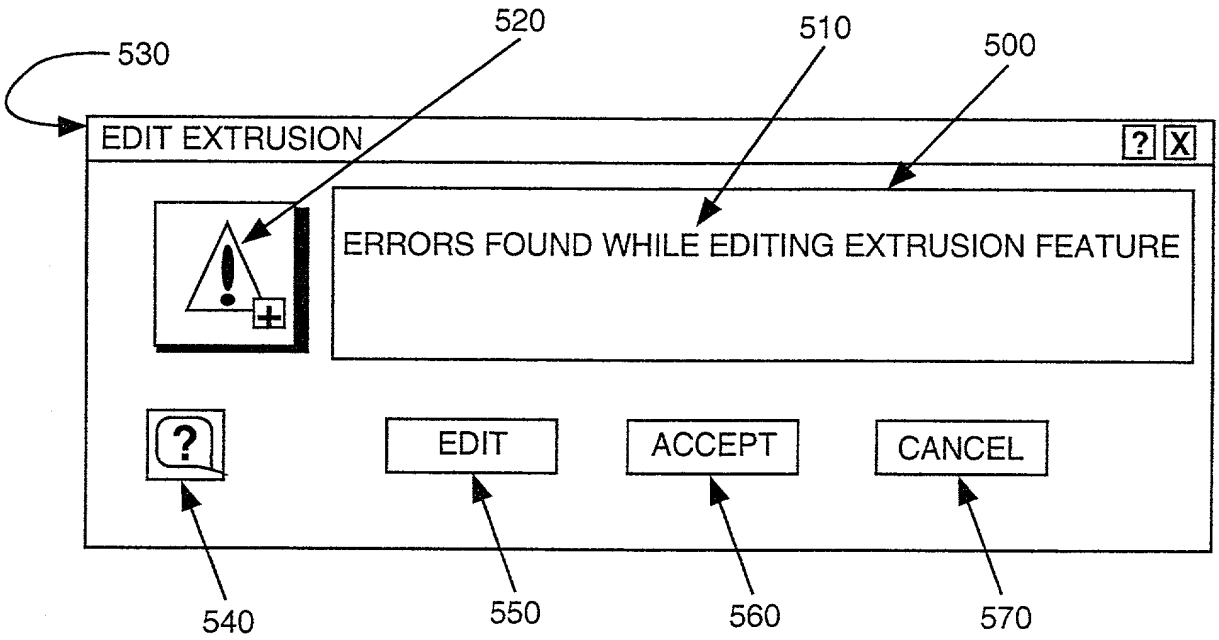
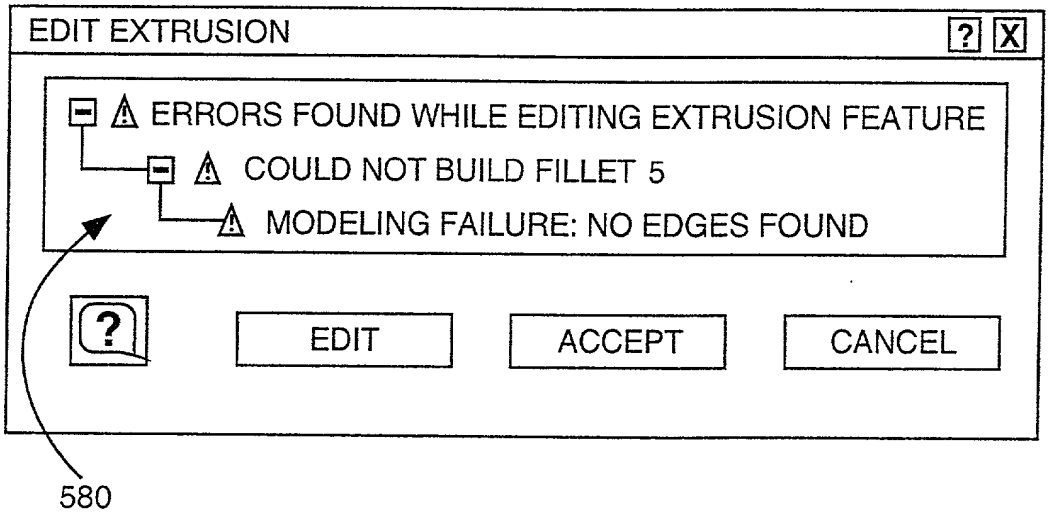

530
520
510
500
EDIT EXTRUSION
ERRORS FOUND WHILE EDITING EXTRUSION FEATURE
EDIT
ACCEPT
CANCEL
540
550
560
570

FIG. 5B


EDIT EXTRUSION
ERRORS FOUND WHILE EDITING EXTRUSION FEATURE
COULD NOT BUILD FILLET 5
MODELING FAILURE: NO EDGES FOUND
EDIT
ACCEPT
CANCEL
580

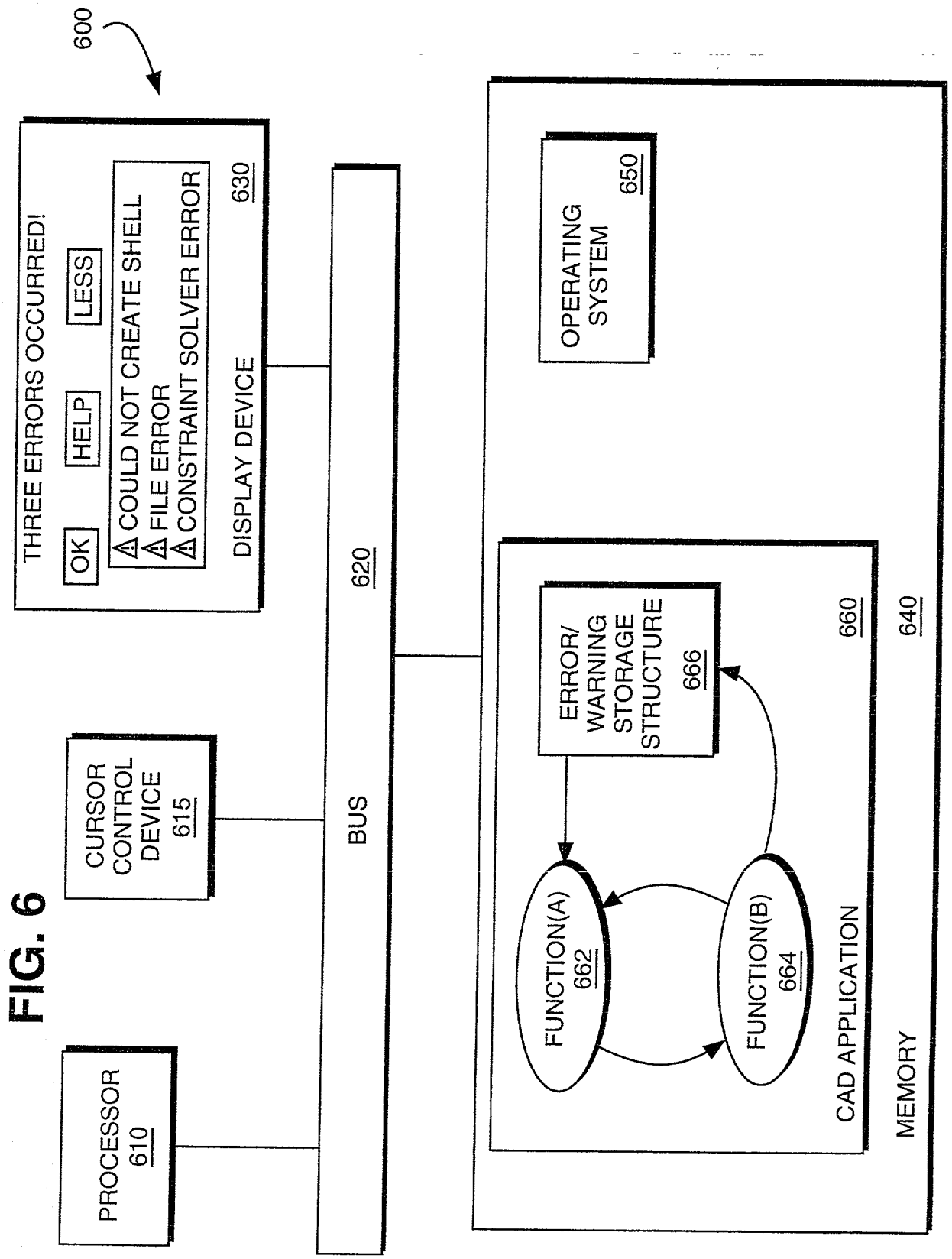

600
THREE ERRORS OCCURRED!
OK
HELP
LESS
COULD NOT CREATE SHELL
FILE ERROR
CONSTRAINT SOLVER ERROR
DISPLAY DEVICE
630
620
BUS
OPERATING SYSTEM
650
ERROR/ WARNING STORAGE STRUCTURE
666
660
640
FUNCTION(A)
662
FUNCTION(B)
664
CAD APPLICATION
MEMORY
CURSOR CONTROL DEVICE
615
PROCESSOR
610

FIG. 6